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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

AKERS, Douglas, W.

Serial No. 09/932,531

Filing Date: August 17, 2001

For: METHOD AND APPARATUS FOR
PHOTON ACTIVATION POSITRON
ANNIHILATION ANALYSIS

Examiner: Palabrica, R.J.

Group Art Unit: 3641

Conf. No.: 4276

PRELIMINARY AMENDMENT UNDER 37 C.F.R. §§ 1.111 & 1.121
FOR THE ACCOMPANYING "RCE" APPLICATION

To: Box RCE
Assistant Commissioner for Patents
Washington, D.C. 20231

RECEIVED

APR 24 2003

GROUP 3600

Sir:

Prior to examination of the RCE application, applicant respectfully requests the examiner to enter the following amendment and consider the following remarks.

In the Title:

Please replace the Title with the following rewritten Title:

APPARATUS FOR PHOTON ACTIVATION POSITRON ANNIHILATION ANALYSIS

In the Abstract:

Please replace the Abstract on 38 with the following rewritten Abstract:

Non-destructive testing apparatus according to one embodiment of the invention comprises a photon source. The photon source produces photons having predetermined energies and directs the photons toward a specimen being tested. The photons from the photon source result in the creation of positrons within the specimen being tested. A detector positioned adjacent the specimen being tested detects gamma rays produced by annihilation of positrons with electrons. A data processing system